

**Notice of Allowability**

Application No.

10/027,926

Applicant(s)

SINGH ET AL.

Examiner

Brian D. Nguyen

Art Unit

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/16/06.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20060511.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

BRIAN NGUYEN

5/11/06

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with David Fogg on 5/11/06.

3. The application has been amended as follows:

**Claim 1.** A method for communicating between cards in an electronic module, the method comprising:

generating a message for transmission from an application at a first card in the electronic module;

transmitting the message over a bus to an associated application at a second card in the same electronic module by-passing an IP stack located between an application layer and an inter-board communication layer at the first card;

monitoring a queue at the second card for messages from the first card; and

reading a message from the queue at the second card when received from the first card.

**Claim 3.** The method of claim 1, wherein generating a message for transmission comprises generating a message for transmission between ~~an~~ the application on the first card and ~~an~~ the associated application on the second card.

**Claim 6.** A method for communicating between cards in an electronic module, the method comprising:

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generating a message for transmission from an application at a first card in the electronic module to an associated application at a second card in the same electronic module;

transmitting the message over a cell-based bus as a message to the second card by-passing an IP stack located between an application layer and an inter-board communication layer;

queuing the message in a queue for the associated application at the second card;

monitoring the queue at the second card for messages from the first card; and

reading a message from the queue at the second card when received from the first card.

**Claim 7.** A method for communicating between cards in a digital subscriber line access multiplexer (DSLAM), the method comprising:

generating a message for transmission from an application at a first card in the DSLAM to an associated application at a second card in the same DSLAM;

by-passing the an IP stack located between an application layer and an inter-board communication layer for the message;

queuing the message at the first card;

transmitting the message over a cell-based bus as a message to the second card;

queuing the message in a queue for the associated application at the second card;

monitoring the queue at the second card for messages from the first card; and

reading the message from the queue at the second card when received from the first card.

**Claim 8.** The method of claim 7, wherein generating a message comprises generating a request by a connection admission control (CAC) application in the first card for data from a CAC application in the second card for use by the CAC application in the first card.

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**Claim 9.** An electronic module, comprising:

a first card including at least one application running on the first card;

a second card including at least one related application running on the second card;

a bus, communicatively coupled to both the first and the second cards;

wherein communication between the at least one application on the first card and the at least one application on the second card is accomplished by messages passed over the bus between the first and second cards by-passing the an IP stack located between an application layer and an inter-board communication layer on the first and second cards.

**Claim 11** (Canceled)

**Claim 12** (Canceled)

**Claim 13** (Canceled)

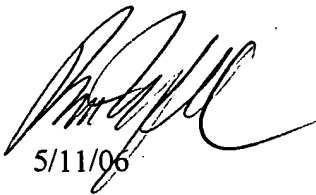
### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian D. Nguyen whose telephone number is (571) 272-3084. The examiner can normally be reached on 7:30-6:00 Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



5/11/06

**BRIAN NGUYEN**  
**PRIMARY EXAMINER**